

## SEQUENCE LISTING

### SEQ ID NO: 1

mMRP protein sequence

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   951   INGVHLPLST SPNQGKSSPP AVVPRPKARP RLEPSLSIQE KQGPLRDLFG
25 1001   PCSPNPPTAP APPPPPALPP PLSGEPKTPS VESHALTEPM EDKNISTKLL
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### SEQ ID NO: 2

mMRP cDNA, variant 1

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**SEQ ID NO:3**

30 cDNA sequence of mMRP, variant 2

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20 **SEQ ID NO:4**

hMRP1, partial amino acid sequence (437 a.a.)

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**SEQ ID NO:5**

hMRP1 partial DNA sequence (4174 bp)



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 25 AGCTGAAGATTCTCTGCTCATACAGCTTTGCGGAGGTGCTGGGTGTGGAGTGCCGGGGCG  
 GCTCCACCCTGGAGCTGTCACTGAAGAGCGAGCAGCTGGTGTGTCACACAGCCCGGGCAA  
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 30 GGGCCGTTCCGGACTCTTTCTGCGACATAGTGCAGCCGGCTGCCGCTCCCGACTTTT  
 CTTCTCCAAGGAGCAGAGGAGTGGCTGGCACAAGGGTCAGCTGTCCAACGGGGAAACCAG  
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 10 GGGTGACCAAGTCCAAGCCCCGGGGCAAGGATGAGATGGATCTGCTCTATGAACTGCTGAA  
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TCGGCTGGGGCACCTGAGGTTGCCAGTCTGAGGGAGATGCCACCCGACCCCAGGCTCC  
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ACTCCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5

**SEQ ID NO:6**

hMRP2 partial amino acid sequence (786 a.a.)

MYQSRPGVPVPVQPSRPPKAFLRKIDPKDEALAKLINGAHSSPPMLSPSPGKGPPPAV  
10 APRPKAPLQLGPSSSIKEKQGPLLDLFGQKLPIAHTPPPPPAPPLPLPEDPGTLSAERRC  
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LKSEQLVLHTARARAIEALVELFLNELKKDSGYVIALRSYITDNCSLLSFHRGDLIKLLP  
15 VATLEPGWQFGSAGGRSGLFPADIVQAAAPDFSFSKEQSRGWHKGQLSNGEPGLARWDR  
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AGKDTDSLQYTKAPIQESLLSLSDDVSKLAVASFLALMRFMGDQSKPRGKDEMDLLYEL  
LKLCQQEKLRDEIYCQVIKQVTGHRPEHCTRGWSFLSLLTGFFPPSTRLMPYLTKFLQD  
SGPSQELARSSQEHLQRTVKYGGRRRMPPPGEMKAFLKGQAIRLLLIHLPGGVDYRTNIQ  
20 TFTVAAEVQEELCRQMGITEPQEVQEFALFLIKEKSQLVRPLQPAEYLNSVVVDQDVS LH  
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PQGRTC

25 **SEQ ID NO:7**

hMRP2 partial DNA sequence (3780 bp)

CGGCAGCAGCAGGCTCGGGCCTCCGAGGCTGCGTCCCAGGCCTCACCTCAGCCGTCACC  
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30 GGTGGCTGCCTGAGGGAGACCTCCGAGGAGGCTGAAGACAGGCCCTATCAGCCCAAGAGC  
TTCCAGCAGAAACGGAAC TATTTCCAGAGGATGGGGCAGCCACAGATCACAGTGAGGACG  
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GAGGAGGAGGAGGAGGAGGAGGAGCAAGAAGTGGAACAAGAGCAGCGCCGTCCCCT  
CCTCCTCCCCCATCGTGAAGAAGCCATTGAAGCAAGGTGGGGCCAAAGCTCCAAAAGAG

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 GGCAGGGGGACTGTGGTGCGCAGTCAGACTCCAAGCCCAAGCGGCCACAACCCAGCAGGG  
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 AGCCATCCAGGCCTCCCAAAGCTTTCCTGAGGAAAATCGACCCCAAGGACGAGGCTCTGG  
 5 CCAAGCTGGGTATCAACGGTGCCCACTCGTCCCCGCGGATGCTGTCCCCCAGCCCAGGAA  
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 10 TACTCGCGCCCTCTGGCAGCGTGTGCTTCTCCTACACCGGCACGCCCTGGAAGTTGTTCC  
 TACGCAAGGAGGTGTTCTACCCACGGGAGAACTTCAGCCATCCCTACTACCTGAGGCTCC  
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 25 GTGACGACTCGGAGGCCACCAGCCTGTCTCTGTGGCCTATGCCTTTCTGCCCCACTCCC  
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 GCTTCTGGCCCTGATGCGGTTTATGGGTGACCAGTCCAAGCCCCGGGGCAAGGATGAGA  
 30 TGGATCTGCTCTATGAACTGCTGAAGCTGTGCCAGCAGGAGAAGCTGAGGGATGAGATTT  
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 5 ACCAGGACGTGAGCCTGCACAGCGGCGGCTCCACTGGGAGACCCCACTGCACTTCGATAA  
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 20 GGGGCCAAAGCGGGCTGCAGGAACCTCGGCTGGGGCACCTGAGGTTGCCCAGTCTGAGGGA  
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**SEQ ID NO:8**

25 MRP signature sequence 1

PWKLFLRKEVFYPRENFSPY

30 **SEQ ID NO:9**

MRP signature sequence 2

KKRIVVAARDNWANYFSR

**SEQ ID NO:10**

MRP signature sequence 3

5 KDSGYVIALRSYITD

**SEQ ID NO:11**

MRP signature sequence 4

10

LEPGWQFGSAGGRSGLFP